

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (Original) An apparatus for separating amalgam from dental sewage, consisting of a flow zone and a sedimentation zone which are arranged in a housing providing an aperture for sewage supply and an aperture for sewage discharge,

characterised in that

the housing (10), which comprises an inlet chamber (40), a passage chamber (50) containing a separator (30) made of foils, and an outlet chamber (60), is sealed in a liquid-proof manner, except for a sewage inlet (41) and a sewage outlet (61), and provides stands (13, 14).

2. (Original) An apparatus according to Claim 1,

characterised in that

the hollow interior of such stands (13, 14) contains at least one pressure chamber (72) which is combined with pressure sensors (75, 76) measuring any pressure changes.

3. (Original) An apparatus according to Claims 1 or 2,

characterised in that

the inlet chamber (40), the passage chamber (50) with the separator (30) and the outlet chamber (60) are arranged horizontally one after the other as seen in flow direction, and with the sewage inlet (41) and the sewage outlet (61) arranged in the highest position of the inlet chamber (40) and the outlet chamber (60) respectively.

4. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 3~~ claim 1,

characterised in that

the separator (30) is a form body which can be streamed through consisting of several tight fitting layers of a structured foil (32).

5. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 3~~ claim 1,

characterised in that

the separator (30) is a form body which can be streamed through consisting of several tight fitting layers of a structured foil (32) and a plain foil (34) that are arranged alternately.

6. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 5~~ claim 1,

characterised in that

the separator (30) forming a form body consists of a wound structured foil (32) or a structured foil (32) wound in combination with a plain foil (34).

7. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 5~~ claim 1,

characterised in that

the separator (30) forming a form body consists of tubular elements made of structured foil (32), or structured foil (32) and plain foil (34), which are slit into each other.

8. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 7~~ claim 1,

characterised in that

the structured foil (32) provides continuous longitudinal structures as seen in the flow direction of the sewage.

9. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 8~~ claim 1,

characterised in that

the structured foil (32) provides a plissé structure consisting of triangles, quadrangles, trapezia.

10. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 9~~ claim 1,

characterised in that

the structured foil (32) provides lamellar, honeycombed or riffle structures or scattered raised points or indentations.

11. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 10~~ claim 1,

characterised in that

the sedimentation surfaces of the structured foil (32) are roughened.

12. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 11~~ claim 1,

characterised in that

a perforated plate (20) is arranged between the inlet chamber (40) and the passage chamber (50), the holes (21) of which provide sinkings (22) on the side that faces the flow.

13. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 12~~ claim 1,

characterised in that

the inlet chamber (40) provides a flow guidance element (42) that is arranged in the upper area of the inlet chamber (40).

14. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 13~~ claim 1,

characterised in that

in the uppermost position of the passage chamber (50), above the separator (30), a vent channel (51) is arranged which has a connection to the sewage outlet (61) in the outlet chamber (60).

15. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 14~~ claim 1,

characterised in that

the sewage outlet (61) provides a flow regulator (62).

16. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 15~~ claim 1,

characterised in that

the pressure chamber (72) provided in a stand (13, 14) comprises a gas-impermeable, elastic foil (71).

17. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 16~~ claim 1,

characterised in that

the pressure chamber (72) contains air or another gas and is slightly pressurized.

18. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 17~~ claim 1,

characterised in that

the level meter (70) is connected with the pressure chamber (72) in a pressure-sensory manner.

19. (Currently Amended) An apparatus according to ~~any one of Claims 1 to 18~~ claim 1,

characterised in that

the cross-sectional area of the separator (30) is round, oval or square.

20. (Currently Amended) An apparatus according to ~~any one of Claims 1 to~~
19 claim 1,

characterised in that

the cross-sectional area of the housing (10) is round, oval or square.

21. (Currently Amended) An apparatus according to ~~any one of Claims 1 to~~
20 claim 1,

characterised in that

the apparatus consists of recyclable synthetic material.